

- 9.** In each pair, is the given whole number greater than, less than, or equal to the square root?

Justify your answer.

- a) 7, $\sqrt{14}$
- b) 8, $\sqrt{60}$
- c) 11, $\sqrt{121}$
- d) 12, $\sqrt{150}$

- 11.** Is each statement true or false? Explain.

- a) $\sqrt{17}$ is between 16 and 18.
- b) $\sqrt{5} + \sqrt{5}$ is equal to $\sqrt{10}$.
- c) $\sqrt{131}$ is between 11 and 12.



- 12.** Use guess and test to estimate each square root to two decimal places.

Record each trial.

- | | | |
|-----------------|----------------|----------------|
| a) $\sqrt{23}$ | b) $\sqrt{13}$ | c) $\sqrt{78}$ |
| d) $\sqrt{135}$ | e) $\sqrt{62}$ | f) $\sqrt{45}$ |